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- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
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(54) Title: COMPOSITIONS EXHIBITING INHIBITION OF CYCLOOXYGENASE-2

(57) Abstract: The invention provides a method of treating diabetes by administering to an individual having diabetes a composition containing a hops extract. In a particular embodiment, an individual having diabetes can be administered a composition comprising a first component selected from the group consisting of alpha acids and beta acids, essential oils, fats and waxed, with the proviso that the first component and second component are not the same compound. The invention additional provides a method of treating diabetes by administering to an individual having diabetes a composition comprising a first component selected from a curcuminoid and a second component selected from an alpha acid and a beta acid.





INTERNATIONAL SEARCH REPORT

International application No.

PCT/US05/41018

A. CLASSIFICATION OF SUBJECT MATTER							
IPC: A 01 N 65/00							
USPC:	424/725						
According to	International Patent Classification (IPC) or to both na	tional class	fication and IPC				
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C. DOC	JMENTS CONSIDERED TO BE RELEVANT		· · · · · · · · · · · · · · · · · · ·				
Category *	Citation of document, with indication, where a	ppropriate,	of the relevant passages	Relevant to claim No.			
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	documents are listed in the continuation of Box C.	<u></u>	See patent family annex.				
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Mail Stop PCT, Attn: ISA/US Commissioner for Patents		Michael V. Meller					
P.O. Box 1450		Telephone	No. 571-272-1600	}			
	Alexandria, Virginia 22313-1450 Facsimile No. (571) 273-3201						

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20 June 2001 (20.06.2001) US

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- (74) Agent: McDERMOTT, Will & EMERY; 4370 La Jolla Village Drive, 7th floor, San Diego, CA 92122 (US).

- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW.
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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: COMPLEX MIXTURES EXHIBITING SELECTIVE INHIBITION OF CYCLOOXYGENASE-2

(57) Abstract: A novel formulation is provided that serves to specifically inhibit the COX-2 mediated inflammatory response in animals. The formulation comprises comprising an effective amount of component I selected from the group consisting of alpha acids and beta acids and an effective amount of at least one component II selected from the group consisting of alpha acids, beta acids, essential oils, fats and waxes, with the proviso that component I and II are not the same compound. The composition provides specific inhibition of cyclooxygenase-2 with little or no effect on cyclooxygenase-1.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US02/19617

Substitute Sub	A. CLASSIFICATION OF SUBJECT MATTER						
According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED Minimum documentation system followed by classification symbols) U.S.: 424/725 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) Please See Continuation Sheet C. DOCUMENTS CONSIDERED TO BE RELEVANT Category * Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. U.S.: 392,693 A (HAAS) 13 January 1976 (13.01.1979), abstract, column 1-3, examples, included in the continuation of Box C. * Special engeries of deed documents: "A" documents of fining be general state of the art which is not considered to be of particular relevants of particular relevants "In comment of thing be general state of the art which is not considered to be of particular relevants "I document relatives are printing date or or after the international fling document of particular relevance, the claimed investion cannot be considered source or more other such document is to combine which they show adoated a printing factor to be literationed in the comment of particular relevance the claimed investion cannot be considered only and particular relevance the claimed investion cannot be considered only and comment of particular relevance the claimed investion cannot be considered only and particular relevance the claimed investion cannot be considered only and particular relevance the claimed investion cannot be considered only and particular relevance the claimed investion cannot be considered only and particular relevant to particular relevance the claimed investion cannot be considered only and particular relevance the claimed investion cannot be considered only and particular relevance the claimed investion cannot be considered on particular relevance the claimed inves	IPC(7) : A61K 35/78 US CL : 424/725						
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"E" cardier application or patent published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed Date of the actual completion of the international search Date of mailing address of the ISA/US Authorised office. Considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone	"A" document	A" document defining the general state of the art which is not considered to be principle or theory underlying the in		ation but cited to understand the			
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INTERNATIONAL SEARCH REPORT	PCT/US02/19617
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